

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2012 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin***

<b>RD0404</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0404 Boggs</b>	<b>U</b>	<b>4.12</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.22		0.22	5.34%				
Trim / Thin Trees	0.08	0.07	0.36	8.74%				
Encroachments	0.07	0.01	0.11	2.67%				
Animal Control	0.12		0.12	2.91%				
Slope Stability	0.10		0.10	2.43%				
Erosion / Bank Caving	0.03		0.03	0.73%				
Crown Surface / Depressions / Rutting	0.69		0.69	16.75%				
<i>Supplemental</i>								
DWR Erosion Survey		0.10	0.40	9.71%				
<i>LMA Totals:</i>	1.31	0.18	2.03	49.27%	0.00	0.00	0.00	0.00

<b>Unit No. 01 San Joaquin River RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0404</b>	<b>U</b>	<b>2.36</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.22		0.22	9.32%				
Trim / Thin Trees	0.05		0.05	2.12%				
Encroachments	0.02		0.02	0.85%				
Animal Control	0.10		0.10	4.24%				
Slope Stability	0.03		0.03	1.27%				
Erosion / Bank Caving	0.01		0.01	0.42%				
<i>Supplemental</i>								
DWR Erosion Survey		0.10	0.40	16.95%				
<i>Unit Totals:</i>	0.43	0.10	0.83	35.17%	0.00	0.00	0.00	0.00

<b>Unit No. 02 French Camp Slough RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0404</b>	<b>U</b>	<b>1.76</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.03	0.07	0.31	17.61%				
Encroachments	0.05	0.01	0.09	5.11%				
Animal Control	0.02		0.02	1.14%				
Slope Stability	0.07		0.07	3.98%				
Erosion / Bank Caving	0.02		0.02	1.14%				
Crown Surface / Depressions / Rutting	0.69		0.69	39.21%				
<i>Unit Totals:</i>	0.88	0.08	1.20	68.18%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2012 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/27/2012 - 03/27/2012		10/09/2012 - 10/09/2012	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Bob Winter KSN		Bob Winter KSN	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River					Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	WS	A Ma	Inspector Comments: Talk to Bob Winter of KSN Engineering the new engineer for the district. He indicated that he needed time to collect the information and would have it available at the next inspection.	°	°	3
DWR ID: DWR_RD0404_01_s_2012_3										
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	4
DWR ID: DWR_RD0404_01_s_2012_4										
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	10
DWR ID: DWR_RD0404_01_s_2012_10										
4	0.03	0.48	Earthen Levee	Vegetation	LS A/W	V2 : Remove the wild growth other than native grasses from the levee slopes.		37.941695 ° -121.344917 °	37.939652 ° -121.338373 °	5 Y
DWR ID: DWR_RD0404_01_s_2012_5										
5	0.03	0.20	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.941697 ° -121.344917 °	37.939853 ° -121.343210 °	8 Y
DWR ID: DWR_RD0404_01_s_2012_8										
6	0.21	0.26	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. The erosion has developed in size, and more pocket erosion found. 8/23/2011: Pockets erosions observed by last survey seem have progressed during the last food season. Continuous monitoring of this site suggested 9/07/2010: No significant change observed on site. There is emergent vegetation at the water line. Several pocket erosions lined along the lower slope that stretches from RM 40.86 to RM 41.14. 9/30/2009: No major change observed; the site was combined with other existing sites are RM's 40.93, 40.98, and 41.14 as one site; several pocket erosion just above non-uniform toe rip rap; previously rated "U"; bare spots along the upper slope. 2008: Possibly caused by wave wash erosion; several pocket erosion along the lower slope; site is inside of a bend. 2006: Visited site 09/12/06. [2012 Site ID:RD0404U01RM40.86]	37.939480 ° -121.342730 °	37.939480 ° -121.342730 °	1 Y
DWR ID:										
7	0.30	0.30	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	37.939420 ° -121.341643 °	37.939420 ° -121.341643 °	105 Y
DWR ID: DWR_RD0404_01_s_2012_105										
8	0.45	0.45	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove bamboo on waterside toe.	37.939627 ° -121.338808 °	37.939627 ° -121.338808 °	104 Y
DWR ID: DWR_RD0404_01_s_2012_104										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

## Reclamation District No. 0404 Boggs

MR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
9	0.48	0.48	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 8/7/2012: The erosion is next to a repaired site and approximately 400 feet downstream of a river bend. There are broken concretes at the upper levee slope, but not visible at the levee toe or lower slope. Likely the protection concrete blocks have been washed away [2012 Site ID:RD0404U01RM41.11]	37.939190 ° -121.338280 °	37.939190 ° -121.338280 °	18 Y
								DWR ID:		
10	0.60	0.62	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/07/2012: The site was first discovered by levee inspector in the spring inspection. Levee slope was protected with broken concrete blocks, but those blocks have been washed away during high flows. [2012 Site ID:RD0404U01RM41.22]	37.939133 ° -121.336100 °	37.939133 ° -121.336100 °	19 Y
								DWR ID:		
11	0.61	0.61	Earthen Levee	Erosion / Bank Caving	WS	C Ma	E1 : Note and monitor erosion site. Inspector Comments: District has repaired site.	37.939133 ° -121.336100 °	37.939133 ° -121.336100 °	103
								DWR ID: DWR_RD0404_01_s_2012_103		
12	0.62	0.62	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/07/2012: The rootball of a fallen tree removed material from the levee. Immediately action needed to remove the fallen tree trunk and repair the damage. [2012 Site ID:RD0404U01RM41.23]	37.938810 ° -121.336170 °	37.938810 ° -121.336170 °	20 Y
								DWR ID:		
13	0.75	0.75	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.937758 ° -121.334149 °	37.937758 ° -121.334149 °	7 Y
								DWR ID: DWR_RD0404_01_s_2012_7		
14	0.89	0.89	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	° °	° °	17
								DWR ID: DWR_RD0404_01_f_2012_17		
15	0.96	0.96	Earthen Levee	Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.935990 ° -121.331600 °	37.935990 ° -121.331600 °	2
								DWR ID: DWR_RD0404_01_s_2012_2		
16	1.08	1.08	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.935358 ° -121.329645 °	37.935358 ° -121.329645 °	102
								DWR ID: DWR_RD0404_01_s_2012_102		
17	1.20	1.20	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.934058 ° -121.328188 °	37.934058 ° -121.328188 °	101 Y
								DWR ID: DWR_RD0404_01_s_2012_101		
18	1.36	1.36	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.931945 ° -121.327150 °	37.931945 ° -121.327150 °	100
								DWR ID: DWR_RD0404_01_s_2012_100		
19	1.44	1.44	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability.	° °	° °	16 Y
								DWR ID: DWR_RD0404_01_f_2012_16		
20	1.57	1.67	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.928723 ° -121.327207 °	37.927945 ° -121.325933 °	9
								DWR ID: DWR_RD0404_01_s_2012_9		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Right	2.36	10/09/2012 10/09/2012	Richard Willoughby	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
21	1.58	1.58	Earthen Levee	Encroachments	LS	M Ma	TR : Tree or limb Inspector Comments: Downed tree limb on landside slope and toe.	°	°	15
								°	°	Y
DWR ID: DWR_RD0404_01_f_2012_15										
22	1.63	1.63	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability.	37.928208 °	37.928208 °	12
								-121.326608 °	-121.326608 °	Y
DWR ID: DWR_RD0404_01_s_2012_12										
23	1.64	1.65	Earthen Levee	Slope Stability	LS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.928118 °	37.927970 °	11
								-121.326338 °	-121.326007 °	Y
DWR ID: DWR_RD0404_01_s_2012_11										
24	1.67	1.67	Earthen Levee	Trim / Thin Trees	LS	M Ma	T4 : Trim trees over roadway to at least 12 feet above ground level.	°	°	14
								°	°	Y
DWR ID: DWR_RD0404_01_f_2012_14										
25	1.98	1.98	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.924055 °	37.924055 °	99
								-121.323195 °	-121.323195 °	Y
DWR ID: DWR_RD0404_01_s_2012_99										
26	1.99	1.99	Earthen Levee	Encroachments	WS	M Ma	TR : Tree or limb Inspector Comments: Downed trees on waterside slope.	37.923817 °	37.923817 °	98
								-121.323130 °	-121.323130 °	Y
DWR ID: DWR_RD0404_01_s_2012_98										
27	2.08	2.08	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	°	°	13
								°	°	
DWR ID: DWR_RD0404_01_f_2012_13										
28	2.33	2.33	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside toe.	37.920585 °	37.920585 °	97
								-121.318850 °	-121.318850 °	Y
DWR ID: DWR_RD0404_01_s_2012_97										

**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.48
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking north at modest vegetation on landside and waterside slopes.	
jhirabay_f_20121001_016.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking south modest vegetation on waterside slope.	
jhirabay_f_20121001_020.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.21
End Levee Mile	0.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Downstream view of Site. Progressing pocket erosion visible.	
SJR2012_RD0404U01RM40.86_1.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.21
End Levee Mile	0.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site

SJR2012\_RD0404U01RM40.86\_2.jpg



Levee Mile Report Line	7
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking northwest at toe erosion on waterside.

jhirabay\_f\_20121001\_031.jpg



Levee Mile Report Line	7
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking east at erosion on slope and toe of levee.

richard\_f\_20121012\_191.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Fall 2012

### Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking east from RD 524 at erosion on slope and toe of levee.

richard\_f\_20121012\_192.JPG



Levee Mile Report Line	8
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking northwest at bamboo on waterside toe.

jhirabay\_f\_20121001\_030.jpg



Levee Mile Report Line	9
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site.

SJR2012\_RD0404U01RM41.11\_1.jpg



**\* Location**

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**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	0.60
End Levee Mile	0.62
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion. Note the slumping erosion at upper slope.

SJR2012\_RD0404U01RM41.22\_1.jpg



Levee Mile Report Line	10
Start Levee Mile	0.60
End Levee Mile	0.62
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Close view of erosion

SJR2012\_RD0404U01RM41.22\_2.jpg



Levee Mile Report Line	10
Start Levee Mile	0.60
End Levee Mile	0.62
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of erosion. Note the broken concrete blocks at the slope.

SJR2012\_RD0404U01RM41.22\_3.jpg



**\* Location**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.62
End Levee Mile	0.62
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site

SJR2012\_RD0404U01RM41.23\_1.jpg



Levee Mile Report Line	13
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at elderberry on landside slope.

jhirabay\_f\_20121001\_019.jpg



Levee Mile Report Line	17
Start Levee Mile	1.20
End Levee Mile	1.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at overhanging trees on landside slope.

richard\_f\_20121012\_194.JPG



**\* Location**

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CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	19
Start Levee Mile	1.44
End Levee Mile	1.44
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking northwest at slope damage on waterside slope.

richard\_f\_20121012\_195.JPG



Levee Mile Report Line	21
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking east at tree limb on landside slope.

richard\_f\_20121012\_196.JPG



Levee Mile Report Line	22
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southwest at minor slope sliding on waterside slope.

jhirabay\_f\_20121001\_024.jpg



**\* Location**

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WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Fall 2012

### Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	22
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southeast at minor slope sliding on waterside slope.

jhirabay\_f\_20121001\_025.jpg



Levee Mile Report Line	23
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at minor slope damage on landside slope cause by vehicle traffic.

jhirabay\_f\_20121001\_021.jpg



Levee Mile Report Line	23
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at slope damage on landside slope cause by vehicle traffic.

jhirabay\_f\_20121001\_022.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	23
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking east at slope damage on landside slope.

jhirabay\_f\_20121001\_023.jpg



Levee Mile Report Line	24
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at tree on landside overhanging levee crown.

richard\_f\_20121012\_197.JPG



Levee Mile Report Line	25
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at dense trees on waterside slope.

richard\_f\_20121012\_198.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/09/2012 10/09/2012	Richard Willoughby

Levee Mile Report Line	26
Start Levee Mile	1.99
End Levee Mile	1.99
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at downed tree on waterside slope.

jhirabay\_f\_20121001\_027.jpg



Levee Mile Report Line	28
Start Levee Mile	2.33
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dead tree on waterside toe.

jhirabay\_f\_20121001\_026.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	03/27/2012 - 03/27/2012		10/02/2012 - 10/02/2012	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Bob Winter KSN		Bob Winter KSN	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 French Camp Slough						Right	1.76	10/02/2012 10/02/2012	Richard Willoughby	
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	Photo
	Start	End					Start	End		
1	0.00	0.68	Earthen Levee	Crown Surface / Depressions / Rutting	CR M Ma	C2 : Repair depressions or ruts in the crown or slope. Inspector Comments: Several pot holes notice on crown.	37.920308 ° -121.318308 °	37.919267 ° -121.307637 °	7	
DWR ID: DWR_RD0404_02_s_2012_7										
2	0.11	0.11	Earthen Levee	Erosion / Bank Caving	WS M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	37.919207 ° -121.316852 °	37.919207 ° -121.316852 °	75	
DWR ID: DWR_RD0404_02_s_2012_75										
3	0.12	0.15	Earthen Levee	Trim / Thin Trees	WS N Ma	T5 : Tree stumps. Inspector Comments: Remove three dead trees on waterside slope and toe.	37.919090 ° -121.316733 °	37.918753 ° -121.316440 °	74	
DWR ID: DWR_RD0404_02_s_2012_74										
4	0.19	0.35	Earthen Levee	Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919543 ° -121.311432 °	37.918935 ° -121.313335 °	3	
DWR ID: DWR_RD0404_02_s_2012_3										
5	0.23	0.23	Earthen Levee	Encroachments	WS M Ma	TR : Tree or limb Inspector Comments: Downed tree branch across levee crown.	37.918217 ° -121.315232 °	37.918217 ° -121.315232 °	73	
DWR ID: DWR_RD0404_02_s_2012_73										
6	0.29	0.32	Earthen Levee	Trim / Thin Trees	WS U Ma	T5 : Tree stumps. Inspector Comments: Remove several dead trees on waterside slope and toe.	37.918447 ° -121.314213 °	37.918693 ° -121.313780 °	72	
DWR ID: DWR_RD0404_02_s_2012_72										
7	0.36	0.36	Earthen Levee	Trim / Thin Trees	WS U Ma	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside slope	37.919025 ° -121.313245 °	37.919025 ° -121.313245 °	71	
DWR ID: DWR_RD0404_02_s_2012_71										
8	0.41	0.44	Earthen Levee	Trim / Thin Trees	WS U Ma	T5 : Tree stumps. Inspector Comments: Remove dead trees on waterside slope.	37.919425 ° -121.312400 °	37.919508 ° -121.311965 °	70	
DWR ID: DWR_RD0404_02_s_2012_70										
9	0.48	0.48	Earthen Levee	Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919525 ° -121.311193 °	37.919525 ° -121.311193 °	8	
DWR ID: DWR_RD0404_02_s_2012_8										
10	0.48	0.48	Earthen Levee	Encroachments	WS M Ma	TR : Tree or limb Inspector Comments: Downed tree limb on waterside shoulder.	37.919588 ° -121.311193 °	37.919588 ° -121.311193 °	69	
DWR ID: DWR_RD0404_02_s_2012_69										
11	0.51	0.51	Earthen Levee	Crown Surface / Depressions / Rutting	CR M Ma	C2 : Repair depressions or ruts in the crown or slope.	37.919528 ° -121.310635 °	37.919528 ° -121.310635 °	12	
DWR ID: DWR_RD0404_02_f_2012_12										
12	0.74	0.74	Earthen Levee	Encroachments	LS M Ma	TR : Tree or limb	37.919178 ° -121.306468 °	37.919178 ° -121.306468 °	58	
DWR ID: DWR_RD0404_02_s_2012_58										
13	0.74	0.74	Earthen Levee	Encroachments	LS M Ma	TR : Tree or limb Inspector Comments: Downed tree limb on landside slope.	37.919205 ° -121.306495 °	37.919205 ° -121.306495 °	5	
DWR ID: DWR_RD0404_02_s_2012_5										

**\* Location**

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WS : Water Side  
CR : Crown

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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough							Right	1.76	10/02/2012 10/02/2012	Richard Willoughby
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	0.80	0.80	Earthen Levee	Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove dead trees from waterside shoulder and slope.	37.918695 ° -121.305935 °	37.918695 ° -121.305935 °	57
DWR ID: DWR_RD0404_02_s_2012_57										
15	0.82	0.91	Earthen Levee	Vegetation	LS	A/W Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.918320 ° -121.305740 °	37.917162 ° -121.305285 °	4
DWR ID: DWR_RD0404_02_s_2012_4										
16	0.89	0.89	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside shoulder and slope.	37.917280 ° -121.305365 °	37.917280 ° -121.305365 °	68 Y
DWR ID: DWR_RD0404_02_s_2012_68										
17	1.13	1.13	Earthen Levee	Encroachments	WS	M Ma	EQ : Equipment Inspector Comments: Abandoned pump stand in channel and 3-4" steel pipe below flood elevation should be removed.	37.916340 ° -121.301898 °	37.916340 ° -121.301898 °	66 Y
DWR ID: DWR_RD0404_02_s_2012_66										
18	1.13	1.18	Earthen Levee	Animal Control	LS	A/W Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.916347 ° -121.301887 °	37.916497 ° -121.301095 °	11
DWR ID: DWR_RD0404_02_s_2012_11										
19	1.13	1.13	Earthen Levee	Trim / Thin Trees	LS	A/W Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Dense vegetation around pump house inside fenced area.	37.916337 ° -121.301888 °	37.916337 ° -121.301888 °	67 Y
DWR ID: DWR_RD0404_02_s_2012_67										
20	1.18	1.18	Earthen Levee	Trim / Thin Trees	LS	M Ma	T4 : Trim trees over roadway to at least 12 feet above ground level.	37.916472 ° -121.301188 °	37.916472 ° -121.301188 °	65
DWR ID: DWR_RD0404_02_s_2012_65										
21	1.23	1.23	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Dead tree on waterside slope.	37.917035 ° -121.300418 °	37.917035 ° -121.300418 °	63 Y
DWR ID: DWR_RD0404_02_s_2012_63										
22	1.23	1.23	Earthen Levee	Animal Control	WSA/W	Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes on waterside shoulder and slope. District grouting holes.	37.917042 ° -121.300400 °	37.917042 ° -121.300400 °	64
DWR ID: DWR_RD0404_02_s_2012_64										

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side		A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
23	1.32	1.58	Supplemental	DWR Erosion Survey	WS	C Ma	Inspector Comments: 07/26/2012: No new erosion has been observed. 09/02/2011: Site has been repaired with added soil and crashed rock. No new erosion activities found on site. 11/30/2010: Site was not inspected this year due to time constraints. There has been no reports from the district that the site was corrected. Continue to monitor during flood events. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 2009: Erosion appears to be maintenance-related, and not caused by riverflow; recommend annual assessment and monitoring of erosion site, per Critical Erosion Sites Evaluation 2008 Report; previously rated "U". 9/12/2006: Headward erosion along the levee bank; erosion has created "notches" estimated to be about 12 feet in height; erosion appears to be maintenance related; DWR Inspector for the area says the erosion has been present for years. [2012 Site ID:RD0404U02RM1.56]	37.918440 ° -121.297040 °	37.918440 ° -121.297040 °	13
24	1.35	1.35	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.918214 ° -121.298656 °	37.918214 ° -121.298656 °	10
DWR ID: DWR_RD0404_02_f_2012_10										
25	1.44	1.44	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Dead tree on waterside slope should be removed.	37.918433 ° -121.297213 °	37.918433 ° -121.297213 °	62 Y
DWR ID: DWR_RD0404_02_s_2012_62										
26	1.47	1.52	Earthen Levee	Encroachments	LS	A/W En	FE : Fence Inspector Comments: District or Landowner has removed fencing, but still need to remove fence poles.	37.918440 ° -121.296707 °	37.918517 ° -121.295763 °	6 Y
DWR ID: DWR_RD0404_02_s_2012_6										
27	1.47	1.53	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability. Inspector Comments: There are several foot traffic erosion sites along the waterside slope.	37.918490 ° -121.296650 °	37.918518 ° -121.295690 °	1 Y
DWR ID: DWR_RD0404_02_s_2012_1										
28	1.47	1.47	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: The hole appears to be a fire pit. District will determine if the hole is a fire pit or sink hole. No visible pipe at this location.	37.918490 ° -121.296655 °	37.918490 ° -121.296655 °	2 Y
DWR ID: DWR_RD0404_02_s_2012_2										
29	1.51	1.51	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.918535 ° -121.295980 °	37.918535 ° -121.295980 °	61
DWR ID: DWR_RD0404_02_s_2012_61										
30	1.53	1.53	Earthen Levee	Slope Stability	WS	M Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	37.918529 ° -121.295684 °	37.918529 ° -121.295684 °	9
DWR ID: DWR_RD0404_02_f_2012_9										

**\* Location**

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WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating ** + Ma	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
31	1.55	1.55	Earthen Levee	Encroachments	WS	U	EQ : Equipment Inspector Comments: Abandoned pump stand in channel should be removed and 3" galvanized pipe on waterside slope. Pipe was dug out by unknown person. Left major trench (hole) on waterside slope. Trench (hole) should be replaced before flood season.	37.918397 ° -121.295110 °	37.918397 ° -121.295110 °	60 Y
DWR ID: DWR_RD0404_02_s_2012_60										
32	1.76	1.76	Earthen Levee	Trim / Thin Trees	WS	M	T1 : Trim trees to at least five feet above ground level.	37.917302 ° -121.291778 °	37.917302 ° -121.291778 °	59 Y
DWR ID: DWR_RD0404_02_s_2012_59										

**\* Location**

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CR : Crown

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at waterside slope erosion.

jhirabay\_f\_20121001\_050.jpg



Levee Mile Report Line	3
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead trees on waterside slope.

jhirabay\_f\_20121001\_048.jpg



Levee Mile Report Line	3
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at dead trees on waterside slope.

jhirabay\_f\_20121001\_049.jpg



**\* Location**

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WS : Water Side  
CR : Crown

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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.29
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dead tree on waterside slope.

jhirabay\_f\_20121001\_047.jpg



Levee Mile Report Line	7
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead tree on waterside slope.

jhirabay\_f\_20121001\_046.jpg



Levee Mile Report Line	10
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southeast at downed tree limb on waterside slope.

jhirabay\_f\_20121001\_045.jpg



**\* Location**

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CR : Crown

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

Levee Mile Report Line	13
Start Levee Mile	0.74
End Levee Mile	0.74
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at downed tree limbs on landside slope.

jhirabay\_f\_20121001\_034.jpg



Levee Mile Report Line	16
Start Levee Mile	0.89
End Levee Mile	0.89
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead tree on waterside slope.

jhirabay\_f\_20121001\_044.jpg



Levee Mile Report Line	17
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

jhirabay\_f\_20121001\_040.jpg



**\* Location**

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

Levee Mile Report Line	17
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 4-6" pipe on waterside slope.

jhirabay\_f\_20121001\_041.jpg



Levee Mile Report Line	19
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dense vegetation inside fenced area near pump station on landside toe.

jhirabay\_f\_20121001\_042.jpg



Levee Mile Report Line	19
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dense vegetation near pump station on landside toe.

jhirabay\_f\_20121001\_043.jpg



**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

Levee Mile Report Line	21
Start Levee Mile	1.23
End Levee Mile	1.23
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at several dead trees on waterside slope.

jhirabay\_f\_20121001\_039.jpg



Levee Mile Report Line	25
Start Levee Mile	1.44
End Levee Mile	1.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dead tree on waterside slope.

jhirabay\_f\_20121001\_038.jpg



Levee Mile Report Line	26
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence at landside shoulder from LM 1.47 to 1.52

jhirabay\_f\_20121001\_035.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

Levee Mile Report Line	26
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northeast at fence poles on landside shoulder.

richard\_f\_20121012\_189.JPG



Levee Mile Report Line	27
Start Levee Mile	1.47
End Levee Mile	1.53
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking south at one of several foot traffic erosion on waterside slope.

jhirabay\_f\_20121001\_032.jpg



Levee Mile Report Line	28
Start Levee Mile	1.47
End Levee Mile	1.47
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at possible sink hole on waterside berm.

jhirabay\_f\_20121001\_033.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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N : Not Inspected/Rated  
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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/02/2012 10/02/2012	Richard Willoughby

Levee Mile Report Line	31
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 3" pipe on waterside slope.

jhirabay\_f\_20121001\_036.jpg



Levee Mile Report Line	31
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

jhirabay\_f\_20121001\_037.jpg



Levee Mile Report Line	32
Start Levee Mile	1.76
End Levee Mile	1.76
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking west at overhanging tree on waterside slope.

richard\_f\_20121012\_190.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement